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APPLICATION NO.	FILIN	G DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
AFFEICATION NO.	FILIN	GDATE	FIRST NAMED INVENTOR	ATTORNET DOCKET NO.	ATTORNEY DOCKET NO. CONFIRMATION NO.		
10/656,629	09/0	08/2003	Henryk Malak		8113		
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Ellicott City, I	MD 21043			L ARTIBUTE			
	•			ART UNIT	PAPER NUMBER		
				1641			
				MAIL DATE	DELIVERY MODE		
				06/05/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)	
	10/656,629	MALAK ET AL.	
Office Action Summary	Examiner	Art Unit	
·	Christopher L. Chin	1641	
The MAILING DATE of this communication Period for Reply	n appears on the cover sheet wit	the correspondence address	
A SHORTENED STATUTORY PERIOD FOR RIWHICHEVER IS LONGER, FROM THE MAILING. Extensions of time may be available under the provisions of 37 CF after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory provided to reply within the set or extended period for reply will, by some any reply received by the Office later than three months after the rearned patent term adjustment. See 37 CFR 1.704(b).	G DATE OF THIS COMMUNIC FR 1.136(a). In no event, however, may a rent n. eriod will apply and will expire SIX (6) MONT statute, cause the application to become ABA	ATION. ly be timely filed HS from the mailing date of this communication NDONED (35 U.S.C. § 133).	
Status	•		
Responsive to communication(s) filed on (2a) ☐ This action is FINAL . 2b) ☐ 3) ☐ Since this application is in condition for all closed in accordance with the practice uncompared to the closed in accordance.	This action is non-final. owance except for formal matte	·	5
Disposition of Claims	•		
4) Claim(s) 1.2.4-6.13.15.17 and 20 is/are per 4a) Of the above claim(s) is/are with 5) Claim(s) is/are allowed. 6) Claim(s) 1.2.4-6.13.15.17, and 20 is/are ref 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction a Application Papers 9) The specification is objected to by the Example 20 is/are per 4a is/are objected to by the Example 20 is/are per 4a is/are objected to by the Example 20 is/are per 4a is/are objected to by the Example 20 is/are per 4a is/	ndrawn from consideration. ejected. nd/or election requirement.		
10) The drawing(s) filed on is/are: a) Applicant may not request that any objection to Replacement drawing sheet(s) including the co	accepted or b) objected to be the drawing(s) be held in abeyand orrection is required if the drawing(s	e. See 37 CFR 1.85(a).) is objected to. See 37 CFR 1.121(d	d).
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for for a) All b) Some * c) None of: 1. Certified copies of the priority document of the copies of the priority document of the certified copies of the application from the International But * See the attached detailed Office action for a certified copies of the attached detailed Office action for a certified copies of the attached detailed Office action for a certified copies of the attached detailed Office action for a certified copies of the attached detailed Office action for a certified copies of the priority document of	ments have been received. ments have been received in Ap priority documents have been r ureau (PCT Rule 17.2(a)).	plication No eceived in this National Stage	
Attachment(c)			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	Paper No(s)	mmary (PTO-413) Mail Date ormal Patent Application	,

Application/Control Number: 10/656,629

Art Unit: 1641

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. Claims 1-2, 4-6, 13, 15, 17, and 20 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 is vague. While applicants have amended the claim to recite the molecule being located with plasmon fields of the nanoparticles, the relationship of the molecule to the nanoparticles is still not clear. Consequently the interaction of the analyte with the composition (molecule and nanoparticles) is also not clear. To which component of the composition is the analyte interacting with? And how is the analyte detected? Claim 1 has been amended to recite monitoring the spectral absorption or emissions from the molecule but is not clear as to how the molecule is effected by the analyte. Essentially, the claim is not clear what this "molecule" is, how the "molecule" is related to the nanoparticles, and to what does the analyte interact with to be detected.

Also, the specification (page 5) suggests that the molecule is specifically a fluorophore. If that is true, then the claim should be amended accordingly. Also, page 5 of the specification indicates that the fluorophore cannot directly contact the nanoparticles because doing so will quench the fluorophore. If the molecule is a fluorophore, its relationship to the nanoparticles needs to be clearly recited as defined in the specification.

Conclusion

2. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher L. Chin whose telephone number is (571) 272-0815. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Long Le can be reached on (571) 272-0823. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 1641

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher L. Chin Primary Examiner Art Unit 1641

5/28/07